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ABSTRACT OF THE DISCLOSURE

An optical detecting sensor includes a sensor thin film transistor generating an optical current in response to incident light reflected from an object; a storage capacitor storing charges of the optical current generated in the sensor thin film transistor; and a switch thin film transistor controlling release of the stored charges of the storage capacitor to an outer circuit for display of image of the object, having dual-layered source and drain electrodes of transparent conducting material and metal material, an active layer and a gate electrode. The switch thin film transistor further includes an ohmic contact layer on the active layer through which the dual- layered drain and source electrodes contact the active layer.

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